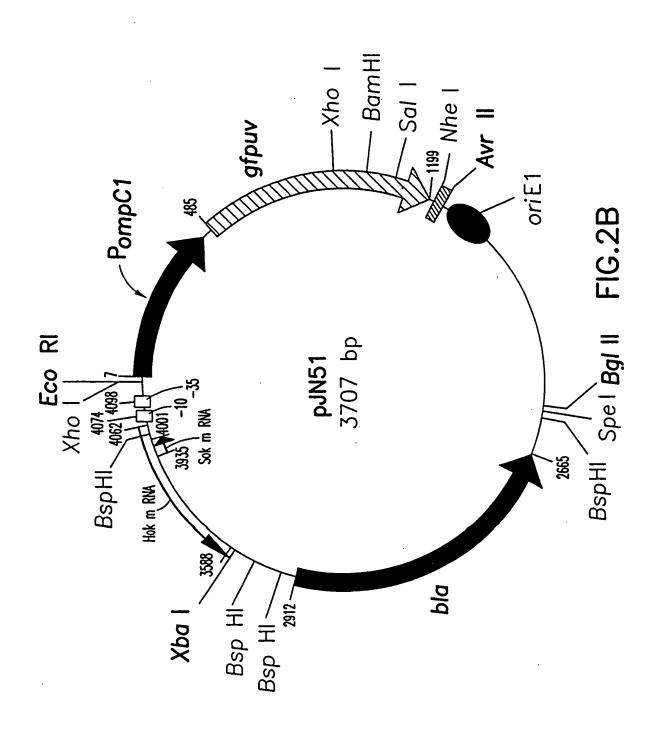


FIG.2A



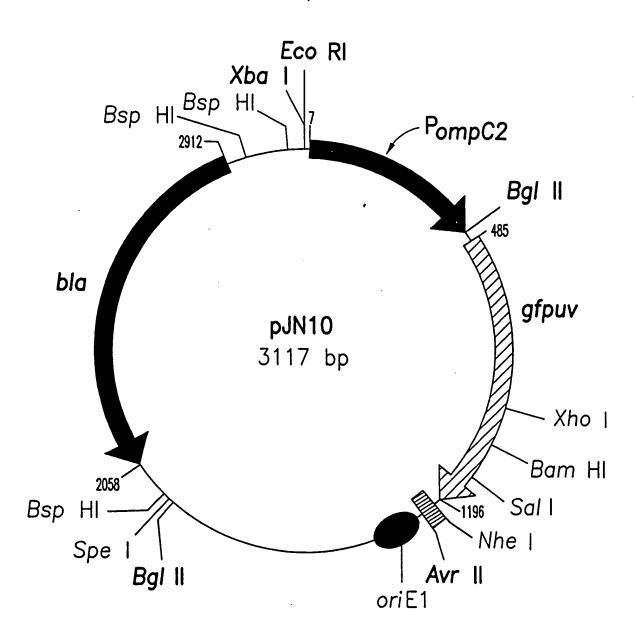
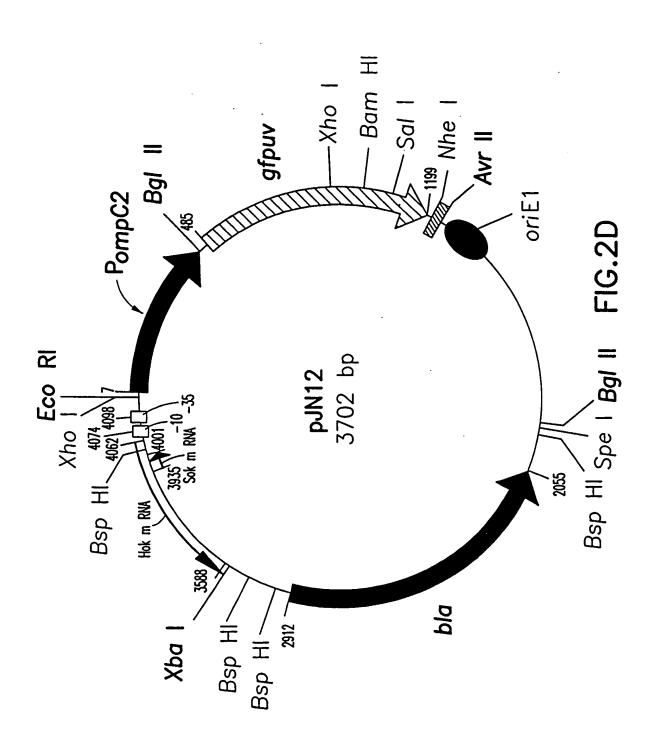
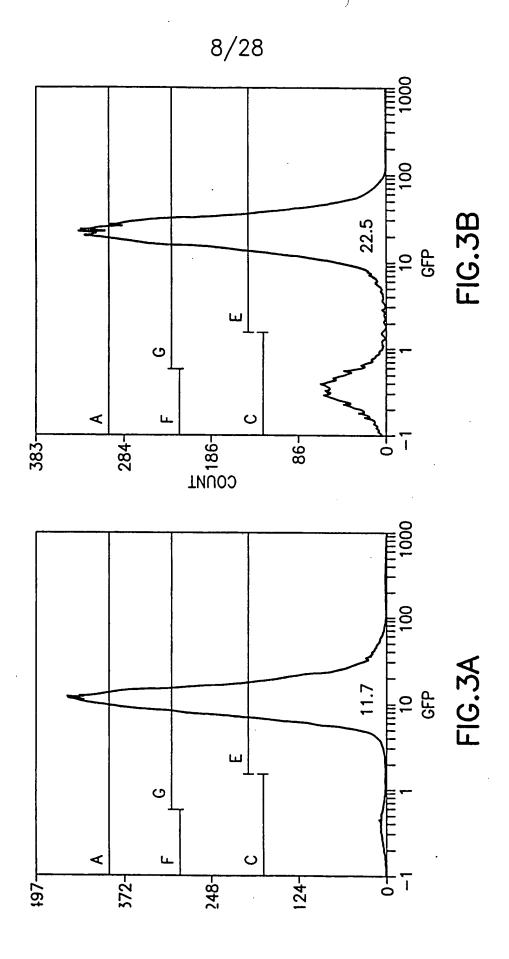
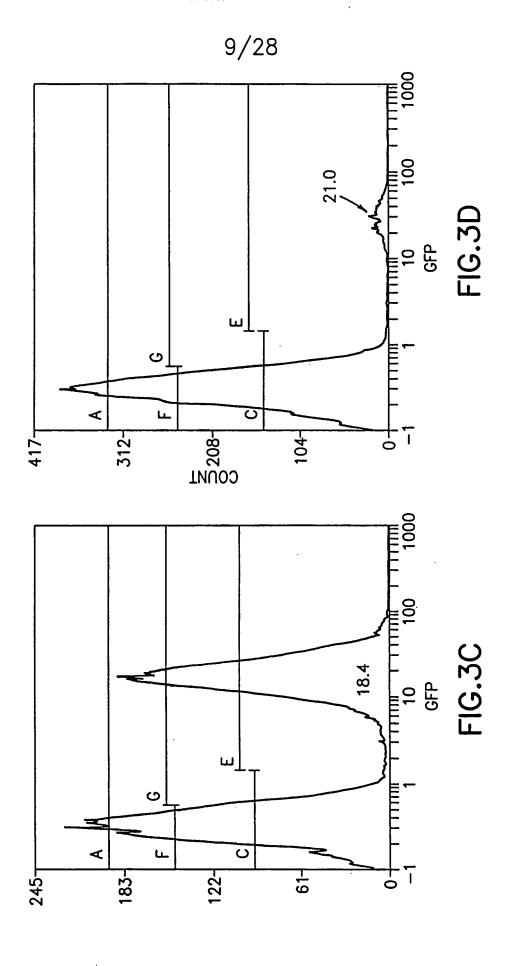
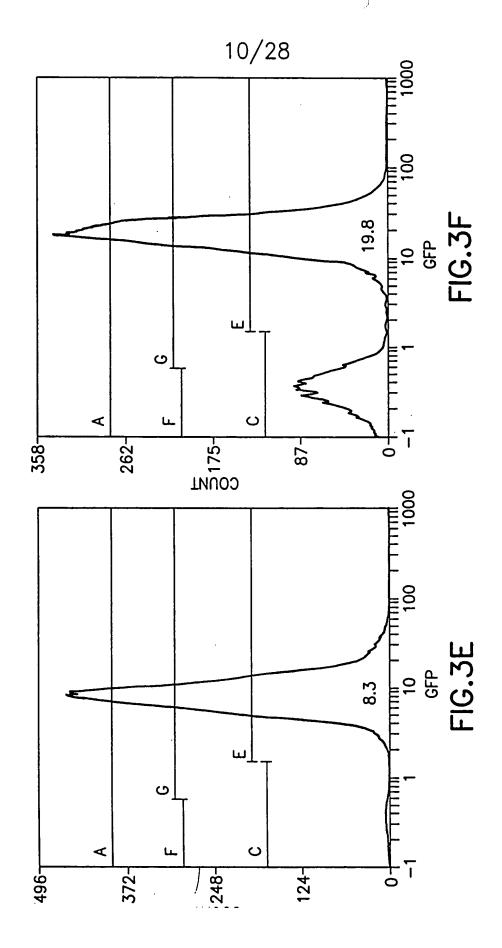


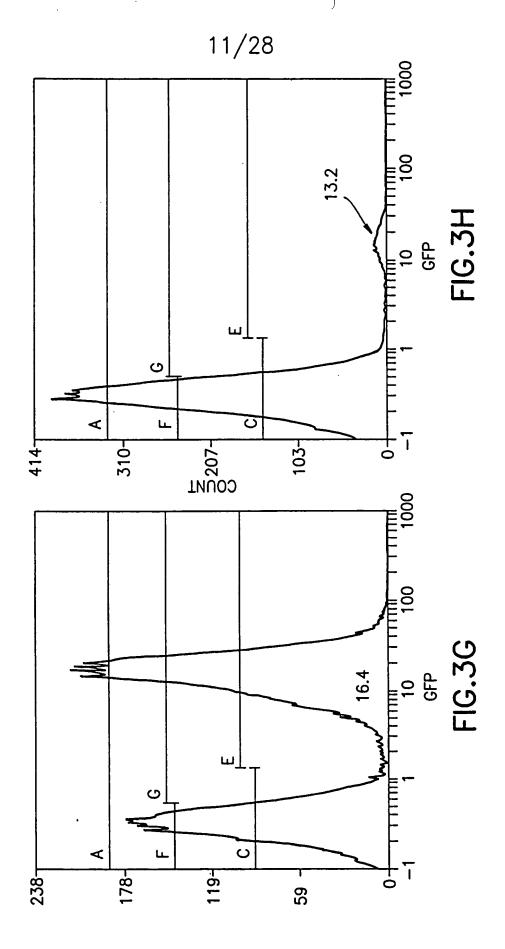
FIG.2C











### FIG.4A

12/28 240 PS 360 9 780 840 8 qaattototo otaqoacacaga ataatgaaaa ototototaaag aagggtaaaa aaaacogaat tcagtgctgt caaatactta agaataagtt attgatttta accttgaatt attattgctt gatgttaggt gcttatttog ccattcogca ataatcttaa aaagttooct tgcatttaca gttttgacat ttttgaaaca tctatagoga taaatgaaac atcttaaaag ttttagtatc atattogtgt tgattaatga gggttaatca gatogatott aaacatocac ggagttgtcc caattcttgt gaaaactta cocttaaatt tatttgoact actggaaaac tacctgttoc atggccaaca cttgtcacta ctttctctta tggtgttcaa tgcttttccc gttatcogga oggtaataaa tgaattagat ggtgatgtta atgggcacaa attttctgtc agtggagagg gtgaaggtga gaaggttatg tacaggaacg gctgaagtca agtttgaagg tgataccett getaatcgta togagetaaa aggeattgat tetaaagaag atggaaacat acaaaagaat ggaatcaaag ctaacttcaa aattogocac aacattgaag atggatoogt teteggacae aaactegagt acaactataa eteacaeaat gtataeatea eggeagaeaa gaccattatc aacaaaatac tocaattggc gatggooctg tocttttaoc oggttgaaat aggggtaaac agacattcag aaatgaatga gatgatagog ggagttattc tagttgogag tgaaggtttt tgcatttttg gggagaatgg acttgccgac gtatgcagtg gcataaaaa gcaaataaag gcatataaca aggaggatat ctgatgagta aaggagaaga acttttcact tcatatgaaa oggcatgact ttttcaagag tgccatgoc ttcaaagatg acgggaacta caagacgcgt gogaggcatc taaagttaat togattattc tocaacatac cactatatct tcaactagca

13/28 1680 1740 1620 2160 1800 gagtggaget tteteatage actatogtct tgagtccaac gacaggacta gctctcctgt toogaccctg ccaagctggg ctgtgtgcac gtaacaggat tagcagaggg goggtgctac agagttcttg aagtggtggc ctaactaogg ctacactaga ggacagtat ttggtatctg ogctctgctg aagocagtta octtoggaaa aagagttggt getettgat eoggeaaaca aaceaeoget ggtagoggtg gtttttttgt ttgcaageag agaaacgcaa aaaggccatc ttgtcctact ttttctagc ctagggcag ttttccatag gctccgccc tgatcttttc tagggggtct goottotgot taattigatg ootggoagtt tatggogggo gtootgoog togactoagc jacaaccat tacctotoga cacaatctoc cetttogaaa gatoecaacg aaaagogtga acacatogca togatoagct goocagtett ddcdaaaccc cooppogat ggaaccgtaa aaaggccgcg ttgctggcgt saagatacc aggogtttoc coctggaagc tocctogtgc gatacetgte egetttete eetteggaa agattaggc gcagaaaaa aggatctcaa gaagatoctt ttcacogaca aacaacagat aaaacgaaag ggtatctcag ttoggtgtag gtogttogct saccoccy ttcagoccya coyctgoycc ttatoogta acqacttatc gocactggca gcagocactg agatctaaaa cactaggooc aagagtttgt togcaaogtt caaatoogct sacatogic citicitigagi tigitaacige igeiggati tgagctagcc cgctaatga gogggctttt atcacaaaa togaooctca agtcagaggt ggagttgct gtatgtag aggagagog aaaagaca rtgacgagc **sycttacog** zacyctyta **agtaagac** acyctcact **stcaggatg** acaaataa cacctcog

# FIG.4C

14/28 500/2 500/2 2460 2760 2820 2880 atgcaccgcg acycaacgcg gggaggcaga caaggtatag sytgacgate agoggtecag tgatogaagt taggetggta agagoogoga gogateettg aatcttctct catcogccaa aacagccaag ctggatccc gatcttatca agogogoct acaatocatg ocaacoogtt ocatgtgctc googaggogg cataaatogc tggactgctt atttotttt atttgatgc tggcagttoc ctactctogc atggggagac occacactac satoggoget acquette acttetgagt toggeatggg gteaggtggg aceacogoge ogtgcaagat. cataagtgog gogaogatag tcatgooog ogoocaoogg aaggagotga ctgggttgaa catgagooog aagtggogag ooogatette oocatoggtg atgtoggoga tataggogoe cogatgoog coggaagoga gaagaatcat aatggggaag gocatocagc ctogogtogc toogaatacc gcaagogaca ggcogatcat ogtogogctc cagogaaagc ggtoctogoc agaagacagt agaagcagac ttgaggcogt tgagcacogc ogcogcaagg aatggtgcat gcaaggagat ccacygggc tgccaccata cccacyccga aacaagogct tgttttatca gaccgcttct gogttctgat ttaatctgta aagctgtooc tgatggtogt catctaoctg octggacagc atggoctgca aogogggcat aagacgtagc ccagcgcgtc ggccgccatg ccggcgataa ggctctcaag ggcatcggtc gacgctctcc cttatgcgac toctgcatta ctogoogaaa ogtttggtgg oggaacagt gaogaaggct tgagogaggg gaaaatgacc cagagogotg coggoacotg toctaogagt tgcatgataa aggcaaattc gaaagactac agtoooogg cagtagtagg gaacgocagc actdoodcc tcaggctgaa gtogaggtg ggggccaac

15/28 3780 3840 4196 3660 3720 3960 ycaacogca octgtggggc oggtgatgcc ggccacgatg cgtcoggcgt agaggatcca aagoctatgc ctacagcatc gatttcattt ttttttcctc agacaacatc agcaaggaga aaggggctac oggogaacca gcagooott acacacgat caacacac cagacaaggg aacttogtgg tagtttcatg gocttottot tagacatagg gatgcctcgt ytogttaat gaaaattaac ttactaoggg gctatcttct ttctgccaca caacaoggca togeteatt cagacogtte ataaaggog etteagtagt cagaccagea teagteetga aaaggogge etgogeooge agazactoc ctgtgtaagt raaaccac ttcacgtcat gaggcagaaa gootcaagog oogggcacat catagoocat gctocaagta gogaagogag agaaggtg gcatagaaa ctggggatgc tgtaggaatg agtgaatatc aacagtgtga coggastttg tctcga agogogotaa gaggotatoc tgatgtggac gtggtggca tgatgggta gtggatagtg aggactggg cggcggccaa agcggtcgga cagtgctccg rgcatcaac gcatatagog ctagoagoac gocatagtga ogcaagagc coggcagtac oggcataacc socaggiting ctactitacon gattogitaan ocatgaaago atctogcac agogattttc gtgtcagata tacetgcae getgaceaea etcaetttee etgaaaataa gtgoogagga tgaogatgag ogcattgtta aggaaatc ogtgtgattg ttgcogcatc acgctgcctc aggacgggt acqatatoc cttgogcaa aggtgacg tattttct

#### FIG.4D

540 8 360 syctgoyect tateoggtaa ctategtett gagteeaaec eggaaagaea tgeaaaagea 420 ocactogicag cagocactog taattoattt agaggagtta gtottgaagt catgogoogg 480 stacaaataa tgagctagcc ogoctaatga gogggctttt ttttctoggc ctaggagata gagagaaa agaagttttt acataggatc agaaaactg acaagcatca ogaaatctga ogctcaaatc agtggtggog aaaccogaca ggactataaa ggaggetace togtgagete toctgttact gaetttaggt toogggtagg cagttogctc caagctggac tgtatgcaog aaccoccogt tcagtcogac ttaaggctaa actgaaagga caagttttgg tgactgogct octocaagoc agttaoctog gttcaaagag ttggtagctc agagaacctt cgaaaaaccg cctgcaagg cggttttttc ttatggccgc gtttgtctca ttccacgct gacactcagt ttacoggtgt cattcogctg attaacaggg aagtgagagg gataccagge gtttcccct

FIG.5A

17/28 1197 1080 1140 98 gttctgattt atetigente aggetigaaaa tettetetea teegocaaaa eagocaaget ggateecega itticagag caagagatta ogogcagacc aaaaogatct caagaagatc atcttattaa gagtttgtag aaacgcaaaa rtgoogge accetooggg oogttgette geaacgetea aatoogetoe oggogatte actactca ggagagogtt cacogacaaa caacagataa aacgaaaggc ccagtctttc ddddadaooc caggtgggac tggcagttta tggcgggcgt gaggcag ggcatggggt acogogicta etgeogecag geaaattetg ttttateaga eogettetge actctogcat sttatcagg togaggtggc ooggetocat geacogogae geaaogogg agataaaa tatttctagg atctaaaaca ctaggccaa gocatcog tcaggatggc cttctgctta atttgatgcc toggogetac ggogttteae ttetgagtte ttogttttat ttgatgootg goagttooot actgagoct acactacca

## FIG.5B

18/28 1080 480 540 8 aacttaaatt catcaaggct aatctctata tttgccttgt gagttttctt atttttgcag ttaaagcatc gtgtagtgtt tttcttagtc ogttacgtag atgcaccaaa aactogtaaa agctctgatg tatctatctt ttttacacog ttgagatcat gcttactttg catgtcactc aaaaattttg cctcaaaact tocaqattat attttatqaa tttttttaac tqqaaaaqat aaggcaatat aagootttaa ocaaaggatt ootgatttoo acagttotog toatcagoto gatgtaatgg ttgttggtat tttgtcacca ttcattttta tctggttgtt ttcaaaacc attggttaag ccttttaaac tcatggtagt tattttcaag tettittaata accaeteata aatoeteata gagtatitigi titeaaaaga agaactaatt ctaatttttc gcttgagaac ttggcatagt ttgtccactg tgcatatgga cagttttccc tttgatatct aacggtgaac agttgttcta ttagtettga tgetteactg atagatacaa gageeataag aaeeteagat toagocatga ottacqaqat ccatttqtct atctagttca acttggaaaa tcaacgtatc octoactat caaccacca tttcatattg ctgtaagtgt ttaaatcttt tcatctgagc ctacaaataa tgagctagcc ogcctaatga gogggctttt ttttctoggc ctaggtttca ttcatggtga ttagocagta tgttctctag tgtggttogt tgtttttgog taggtgttac atgctgttca tctgttacat tgtcgatctg ttagctaata caccataagc attttcocta ctgatgttca FIG.6A octottctat ttttcatctg cttttqtttg acttaagtat acttattggt ttgtgttagt cttaacatgt ctcttcacta acagctttaa gaacgaacca ggtgagctga gtaggaatct ctcaaqttcq agtogggogg cattaacatg qaaaatctca tctggttgct

19/28 1680 1680 1560 1800 1860 octotacaaa acagacotta aaacootaaa ggottaagta gcacootcgo gttgtgggta tctgtaaatt ctgctagac tttgctggaa aacttgtaaa octotgtaa attoogotag acctttgtgt gttttttttg tttatattoa atttatagaa taaagaaaga ataaaaaag ataaaaagaa tagatcccag agctogggc aaatogctga atattocttt tgtctoogac catcaggcac ctgagtogct agttcatttg ctttgaaaac aactaattca gacatacatc tcaattggtc tgtcgcaaac gogoctttta togattcatg caaggaaact acccataata caagaaaagc cttctcaggg ogttttatgg ogggtctgct atgtggtgct atctgacttt gocacacago ataaaattag cttggtttoa tgctoogtta agtoatagog taatcactat accaattgag atgggctagt caatgataat tactagtcct tgacattcag ttogctgogc tcaoggctct ggcagtgaat gggggtaaat gcagttoctg occtctgatt ttocagtctg accacttogg attatocgt rattogtta taagtgaacg ataccoptcog ttctttcctt gtagggtttt caatcoptggg aactcactac tttagtcagt tccgcagtat tacaaaagga ctgtttgct tetttttag aggtgattt tgagtagt ctoctaga gcactacag **sytcaoggg** staatogct toctttga **ytogttata** xtgtgtat tgctgttca

## FIG.6B

aatctgtatc aggctgaaaa tcttctctca tccgccaaaa cagccaagct ggatccccga 2460 S tcttatcagg tcgaggtggc coggctccat gcaccgcgac gcaacgcggg gaggcagaca 2520 S 2340 zacogogota ctgccgccag gcaaattctg ttttatcaga cogcttctgc gttctgattt 2400 2640 jacaggtcat tcagactggc taatgcaccc agtaaggcag oggtatcatc aacaggctta 1980 zacactacca toggogotac ggogtttcac ttotgagttc ggoatggggt caggtgggac taaatogoog tgaogatcag oggtocagtg atogaagtta ggottggtaag agoogogago ytoctactca ggagagogtt cacogacaaa caacagataa aacgaaaggc ccagtctttc pactgaget ttegttttat ttgatgetg geagtteet actetegeat ggggagaeee aggtataggg aggagactac aatacatgac aacacgttac atgtgctagc agaggagga postettae toteaacogo atetaaaaca etagoceaa gagtttotag aaacgeaaaa aggocatoog toaggatggo ottotgotta atttgatgoo tggoagttta tggogggogt actgoogge acctooggg cogttgcttc gcaacgttca aatcogctcc cggcggattt gatoctt

# FIG.6C

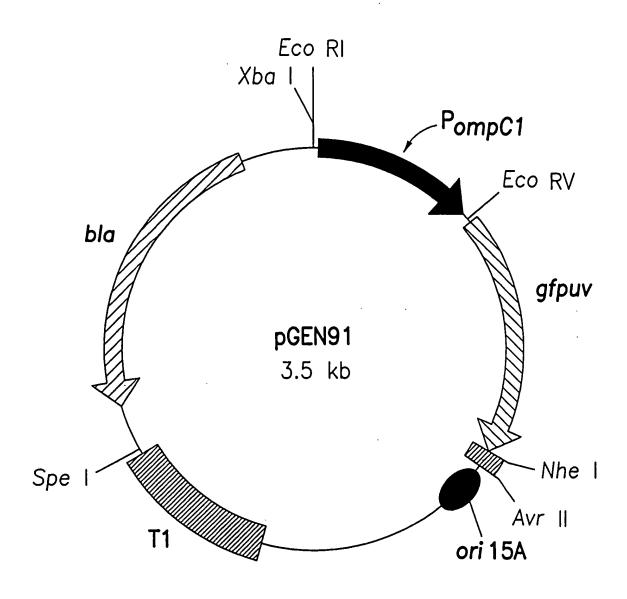


FIG.7A

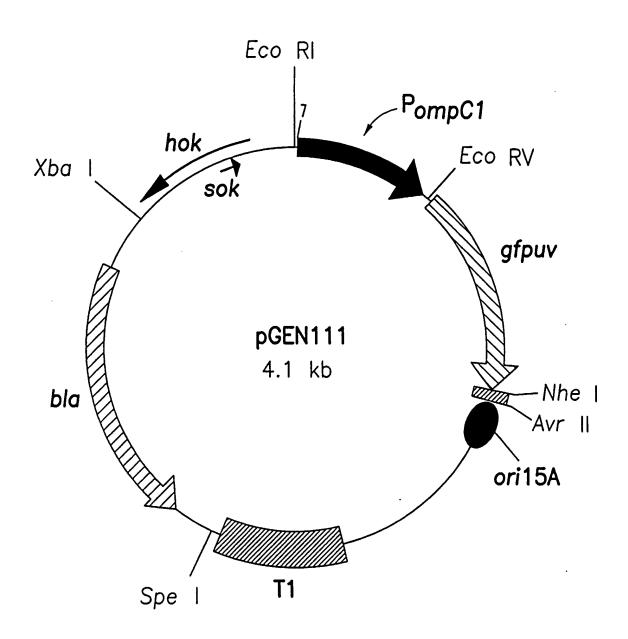


FIG.7B

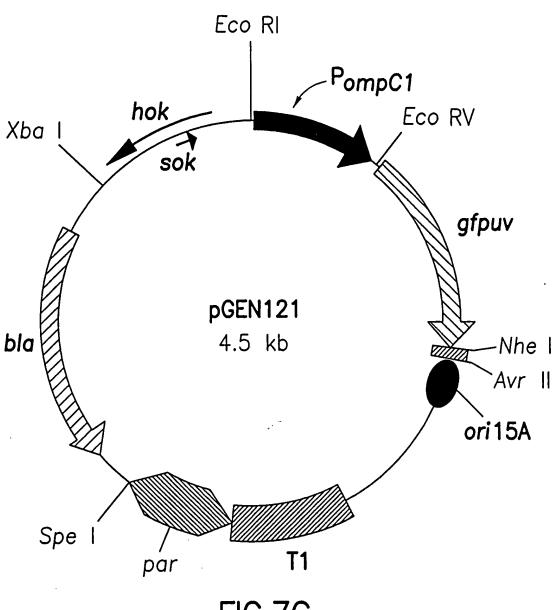


FIG.7C

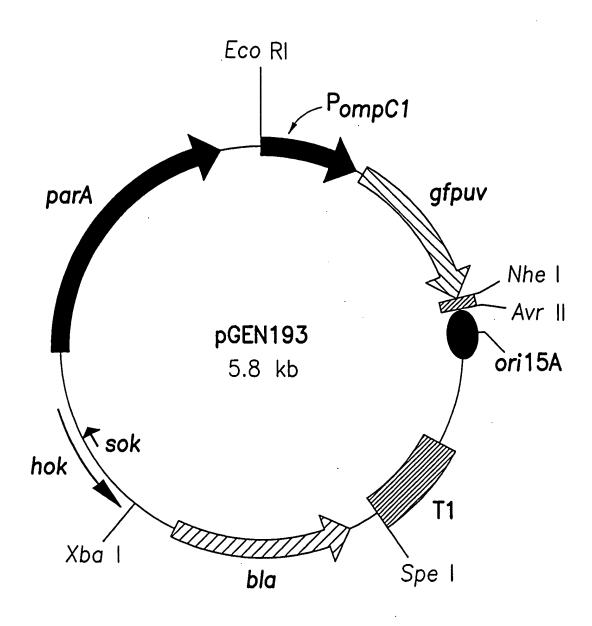


FIG.7D

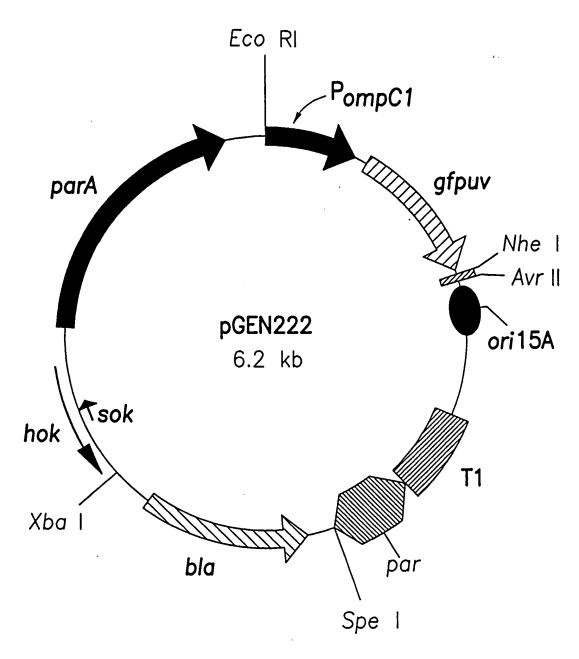
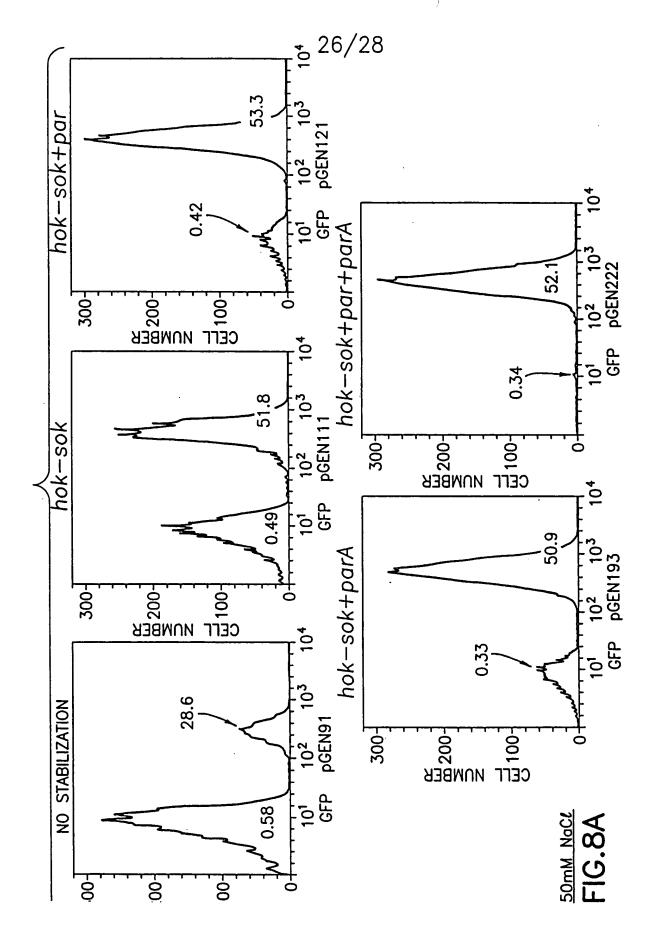
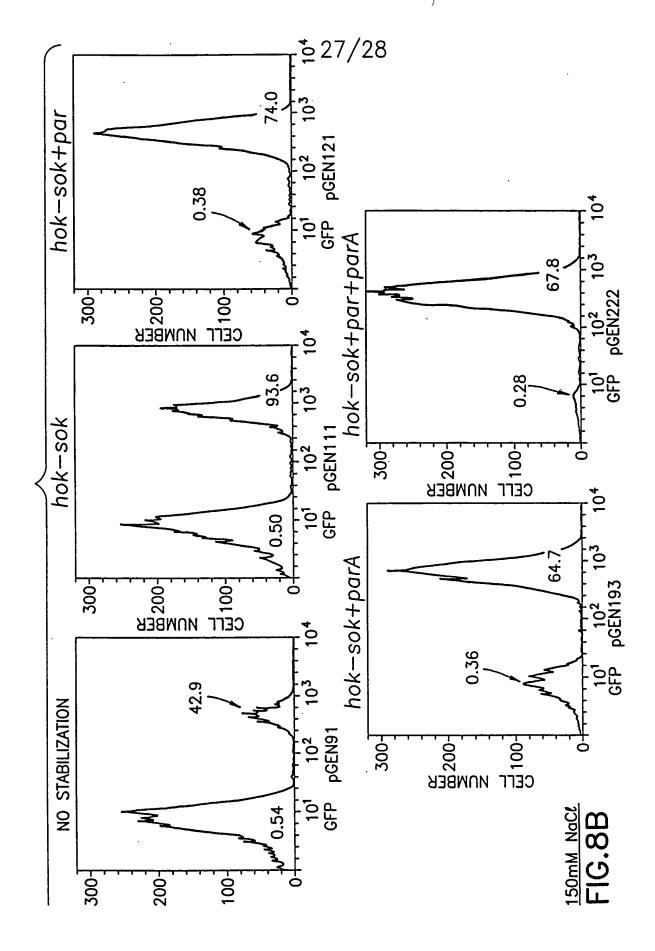


FIG.7E





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